

850 Purchase Order

Functional Group ID=**PO**

Introduction:

This standard provides the format and establishes the data contents of a purchase order transaction set. The purchase order transaction set provides for customary and established business and industry practice relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

Notes:

This transaction set table represents the specifications for DOD system APADE and not the X12 2003 standard.

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>	<u>Notes and</u> <u>Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BEG	Beginning Segment for Purchase Order	M	1		
	030	NTE	Note/Special Instruction	F	100		
	040	CUR	Currency	O	1		
	050	REF	Reference Numbers	O	12		
	055	NTE	Note/Special Instruction	F	100		
	060	PER	Administrative Communications Contact	O	3		
Not Used	070	TAX	Tax Reference	O	3		
	080	FOB	F.O.B. Related Instructions	O	1		
Not Used	090	CTP	Pricing Information	O	25		
Not Used	100	SSS	Special Services	O	25		
Not Used	110	CSH	Header Sale Condition	O	1		
Not Used	120	ITA	Allowance, Charge or Service	O	10		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
	140	DTM	Date/Time Reference	O	10		
Not Used	150	LDT	Lead Time	O	12		
Not Used	160	SHH	General Schedule	O	5		
Not Used	170	PRN	Product ID Numbers	O	5		
Not Used	180	PID	Product/Item Description	O	200		
Not Used	190	MEA	Measurements	O	40		
Not Used	200	PWK	Paperwork	O	25		
Not Used	210	PKG	Marking, Packaging, Loading	O	25		
Not Used	220	TD1	Carrier Details (Quantity and Weight)	O	2		
Not Used	230	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	240	TD3	Carrier Details (Equipment)	O	12		
Not Used	250	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		

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Not Used	260	MAN	Marks and Numbers	O	10
LOOP ID - N9					1000
	270	N9	Reference Number	O	1
	280	MSG	Message Text	O	1000
LOOP ID - N1					200
	290	N1	Name	O	1
	300	N2	Additional Name Information	O	2
	310	N3	Address Information	O	2
	320	N4	Geographic Location	O	1
Not Used	330	REF	Reference Numbers	O	12
	340	PER	Administrative Communications Contact	O	3
Not Used	350	FOB	F.O.B. Related Instructions	O	1
Not Used	360	TD1	Carrier Details (Quantity and Weight)	O	2
Not Used	370	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	380	TD3	Carrier Details (Equipment)	O	12
Not Used	390	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	400	PKG	Marking, Packaging, Loading	O	25
LOOP ID - PO1					100000
Must Use	410	PO1	Purchase Order Baseline Item Data	M	1
Not Used	420	CUR	Currency	O	1
Not Used	430	PO3	Additional Item Detail	O	25
	440	CTP	Pricing Information	O	25
	445	NTE	Note/Special Instruction	F	100
	450	PID	Product/Item Description	O	1000
	460	MEA	Measurements	O	40
Not Used	470	PWK	Paperwork	O	25
	480	PKG	Marking, Packaging, Loading	O	25
Not Used	490	PO4	Item Physical Details	O	1
	500	REF	Reference Numbers	O	12
Not Used	510	PER	Administrative Communications Contact	O	3
Not Used	520	SSS	Special Services	O	25
Not Used	530	ITA	Allowance, Charge or Service	O	10
Not Used	540	IT8	Conditions of Sale	O	1
Not Used	550	ITD	Terms of Sale/Deferred Terms of Sale	O	2
Not Used	560	TAX	Tax Reference	O	3
	570	FOB	F.O.B. Related Instructions	O	1
Not Used	580	SDQ	Destination Quantity	O	500
Not Used	590	IT3	Additional Item Data	O	5
	600	DTM	Date/Time Reference	O	10
Not Used	610	LDT	Lead Time	O	12
Not Used	620	SCH	Line Item Schedule	O	104
Not Used	630	TD1	Carrier Details (Quantity and Weight)	O	1
	640	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	650	TD3	Carrier Details (Equipment)	O	12
Not Used	660	TD4	Carrier Details (Special Handling, or	O	5

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			Hazardous Materials, or Both)		
	670	MAN	Marks and Numbers	O	10
	675	NTE	Note/Special Instruction	F	100
Not Used	680	AMT	Monetary Amount	O	1
LOOP ID - SLN					1000
Not Used	690	SLN	Subline Item Detail	O	1
Not Used	700	PID	Product/Item Description	O	1000
Not Used	710	PO3	Additional Item Detail	O	104
LOOP ID - N9					1000
	720	N9	Reference Number	O	1
	730	MSG	Message Text	O	1000
LOOP ID - N1					200
	740	N1	Name	O	1
	750	N2	Additional Name Information	O	2
	760	N3	Address Information	O	2
	770	N4	Geographic Location	O	1
Not Used	780	REF	Reference Numbers	O	12
Not Used	790	PER	Administrative Communications Contact	O	3
Not Used	800	FOB	F.O.B. Related Instructions	O	1
Not Used	810	TD1	Carrier Details (Quantity and Weight)	O	2
Not Used	820	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	830	TD3	Carrier Details (Equipment)	O	12
Not Used	840	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	850	PKG	Marking, Packaging, Loading	O	25
Must Use	860	CTT	Transaction Totals	M	1
Not Used	870	AMT	Monetary Amount	O	1
Must Use	880	SE	Transaction Set Trailer	M	1

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes:
Comments: 1 The transaction set identifier (ST01) is intended for use by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	ST01	143 Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set	
		850 X12.1 Purchase Order	
Must Use	ST02	329 Transaction Set Control Number	M AN 4/9
		Identifying control number assigned by the originator for a Transaction Set. Also see: Data Interchange Control Number (28.)	

Segment: **BEG** Beginning Segment for Purchase Order
Position: 020
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BEG01	353	Transaction Set Purpose Code Code identifying purpose of transaction set <i>Always 00, no plans for updates yet</i> 00 Original	M ID 2/2
Must Use	BEG02	92	Purchase Order Type Code Code specifying the type of Purchase Order <i>See Block 16, DD Form 1155.</i> RL Release (Blanket Order) An order for goods and services placed against a pre-existing contract or blanket order <i>RL if PIC equal to A, D, F, G, H, or J</i> SS Supply or Service Order <i>SS if PIC equal to M or W</i>	M ID 2/2
Must Use	BEG03	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser <i>Procurement Instrument Identification Number (PIIN) Block 1, DD1155</i>	M AN 1/22
	BEG04	328	Release Number Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction <i>Supplementary Procurement Instrument Identification Number (SPIIN) Block 2, DD1155.</i> <i>GSA/FSS Schedule Number if this is a GSA/FSS delivery order (PIC equal to F)</i> <i>Blank if this is a Purchase order (PIC equal to M, or W)</i>	O AN 1/30
Must Use	BEG05	323	Purchase Order Date	M DT 6/6

Date assigned by the purchaser to Purchase Order

Purchase Order Date Block 3, DD1155

Not Used	BEG06	326	Request Reference Number	O	AN 1/45
			Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)		
Not Used	BEG07	367	Contract Number	O	AN 1/30
			Contract number		
Not Used	BEG08	587	Acknowledgment Type	O	ID 2/2
			Code specifying the type of acknowledgment		

Segment: **NTE** Note/Special Instruction
Position: 030
Loop:
Level:
Usage: Floating
Max Use: 100
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Syntax Notes:**Semantic Notes:**

Comments: 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
NTE01	363	Note Reference Code	O ID 3/3
		Code identifying the functional area or purpose for which the note applies. Also see: Free Form Message (3).	
		<i>The use of notes must be coordinated with the receiver of the "850" since notes are for humans not computers. The telephone call or E-mail is a better alternative.</i>	
		GEN	Entire Transaction Set
		LIN	Line Item
		TRA	Transportation
		ZZZ	Mutually Defined
Must Use	NTE02	3 Free Form Message	M AN 1/60
		Free-form text	

Segment:	CUR Currency
Position:	040
Loop:	
Level:	
Usage:	Optional
Max Use:	1
Purpose:	To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:	<ol style="list-style-type: none"> 1 If CUR08 is present, then CUR07 is required. 2 If CUR09 is present, then CUR07 is required. 3 If CUR11 is present, then CUR10 is required. 4 If CUR12 is present, then CUR10 is required. 5 If CUR14 is present, then CUR13 is required. 6 If CUR15 is present, then CUR13 is required. 7 If CUR17 is present, then CUR16 is required. 8 If CUR18 is present, then CUR16 is required. 9 If CUR20 is present, then CUR19 is required. 10 If CUR21 is present, then CUR19 is required.
Semantic Notes:	
Comments:	<p>1 Monetary values are assumed to be expressed in the currency of the country of the transaction originator unless the optional CUR segment is used to specify a different currency. The CUR segment also permits the transaction originator to indicate a specific exchange rate, foreign exchange location and date/time as the basis for a currency conversion. Example 1. Assuming the currency of the transaction originator is U.S. dollars, the following CUR segment, when used in the heading area of a transaction, would indicate that all monetary values appearing in the transaction are expressed in Canadian Dollars (CAD). (In this example the exchange rate is at the discretion of the receiver). CUR*BY*CAD*N/L Example 2. Assuming the currency of the transaction originator is U.S. dollars, the following CUR segment, when used in the detail area of a transaction, describes a currency conversion for that particular item from U.S. dollars to Canadian dollars. It also indicates that a specific exchange rate, at a specified foreign exchange location on a given date/time be used as the basis for the currency conversion. Notes below the diagram describe the meaning of the element values. CUR*BY*USD*1.20*SE*CAD*NY*007*840821*1400 N/L</p> <p>1 2 3 4 1. Identifies the buyer's (BY) currency as U.S. dollars (USD). 2. The multiplier (1.20) is the exchange rate factor for the conversion. 3. Identifies the seller's (SE) currency as Canadian dollars (CAD). 4. Indicates the basis for the exchange rate as the New York Foreign Exchange (NY) and the effective date/time (007) as August 21, 1984 (840821) at 2:00 P.M. (1400). The value for this item is to be converted to Canadian dollars (CAD) at the exchange rate of 1.20, based on the New York Foreign Exchange (NY) at 2:00 P.M. (1400) on August 21, 1984. The actual unit price conversion for the item would be: The unit price value 7.50 (U.S. dollars) multiplied by the exchange rate (1.20) equals 9.00 Canadian dollars (7.50 X 1.20 = 9.00) CUR07 through CUR21 provide for five (5) dates/times relating to the currency conversion, i.e., effective date, expiration date, etc.</p>

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	CUR01	98	Entity Identifier Code	M ID 2/2
			Code identifying an organizational entity or a physical location.	
			BY Buying Party (Purchaser)	
			<i>Identifies the activity that is specifying the currency exchange rate or the transaction originator.</i>	
Must Use	CUR02	100	Currency Code	M ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified	
			<i>Specifies the country currency code of the Buying Party.</i>	
	CUR03	280	Exchange Rate	O R 4/6
			Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	
			<i>Identifies the rate of exchange FIN-EXCHNG-RT from Procurement Constants File, Foreign Currency Record</i>	
	CUR04	98	Entity Identifier Code	O ID 2/2
			Code identifying an organizational entity or a physical location.	
			SE Selling Party	
			<i>Identifies the activity to which the exchange data is being sent.</i>	
	CUR05	100	Currency Code	O ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified	
			<i>Specifies the country currency code of the Selling Party.</i>	
Not Used	CUR06	669	Currency Market/Exchange Code	O ID 3/3
			Code identifying the market upon which the currency exchange rate is based	
Not Used	CUR07	374	Date/Time Qualifier	C ID 3/3
			Code specifying type of date or time, or both date and time	
Not Used	CUR08	373	Date	O DT 6/6
			Date (YYMMDD)	
Not Used	CUR09	337	Time	O TM 4/4
			Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).	
Not Used	CUR10	374	Date/Time Qualifier	C ID 3/3
			Code specifying type of date or time, or both date and time	
Not Used	CUR11	373	Date	O DT 6/6
			Date (YYMMDD)	
Not Used	CUR12	337	Time	O TM 4/4
			Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though	

			2359).		
Not Used	CUR13	374	Date/Time Qualifier	C	ID 3/3
			Code specifying type of date or time, or both date and time		
Not Used	CUR14	373	Date	O	DT 6/6
			Date (YYMMDD)		
Not Used	CUR15	337	Time	O	TM 4/4
			Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).		
Not Used	CUR16	374	Date/Time Qualifier	C	ID 3/3
			Code specifying type of date or time, or both date and time		
Not Used	CUR17	373	Date	O	DT 6/6
			Date (YYMMDD)		
Not Used	CUR18	337	Time	O	TM 4/4
			Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).		
Not Used	CUR19	374	Date/Time Qualifier	C	ID 3/3
			Code specifying type of date or time, or both date and time		
Not Used	CUR20	373	Date	O	DT 6/6
			Date (YYMMDD)		
Not Used	CUR21	337	Time	O	TM 4/4
			Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).		

Segment: **REF** Reference Numbers
Position: 050
Loop:
Level:
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	REF01	128	Reference Number Qualifier	M ID 2/2
			Code qualifying the Reference Number.	
			<i>Reference Number Qualifier, Reference Number and Description are used to provide data found on DD form 1155 in: Block 16 "your reference", Block 17 "accounting data", Block 5 "certification".</i>	
		DS	Defense Priorities Allocation System (DPAS) Priority Rating	
			<i>Indicates the number in REF02 is a DMS Rating Code.</i>	
		PR	Price Quote Number	
			<i>Indicates the data in REF03 is the Quote Reference Line.</i>	
		RQ	Purchase Requisition No.	
			<i>Indicates the number in REF02 is a PR NR</i>	
	REF02	127	Reference Number	C AN 1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Also see Reference Number Qualifier, (128).	
			<i>DMS rating as entered on the PIIN if REF01 is DS. PR NR as entered on PIIN if REF01 is RQ. Solicitation PIIN number if REF01 is PR.</i>	
	REF03	352	Description	C AN 1/80
			A free-form description to clarify the related data elements and their content	
			<i>Quote Reference as entered on PIIN if REF01 is PR; blank if REF01 is RQ or DS.</i>	

Segment: **NTE** Note/Special Instruction
Position: 055
Loop:
Level:
Usage: Floating
Max Use: 100
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Syntax Notes:**Semantic Notes:**

Comments: 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
NTE01	363	Note Reference Code	O ID 3/3
		Code identifying the functional area or purpose for which the note applies. Also see: Free Form Message (3). Refer to 002003 Data Element Dictionary for acceptable code values.	
Must Use	NTE02	3 Free Form Message	M AN 1/60
		Free-form text	

Segment: **PER** Administrative Communications Contact

Position: 060

Loop:

Level:

Usage: Optional

Max Use: 3

Purpose: To identify a person or office to whom administrative communications should be directed

Syntax Notes: 1 If PER03 is present, then PER04 is required.

Semantic Notes:

Comments: 1 This segment is used to specify who is to be contacted on various conditions related to the transaction. The term "Communication" in the title and purpose relates to interpersonal communications, not network or telecommunications contacts.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	PER01	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
			BD Buyer Name or Department	
			<i>Indicates the Name in PER02 is the Buyer</i>	
	PER02	93	Name	O AN 1/35
			Free-form name	
			<i>Name of PCO on contract</i>	
Not Used	PER03	365	Communication Number Qualifier	O ID 2/2
			Code identifying the type of communication number	
Not Used	PER04	364	Communication Number	C AN 7/21
			Complete communications number including country or area code when applicable. Also see: Communications Number Qualifier (365).	
Not Used	PER05	326	Request Reference Number	O AN 1/45
			Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)	

Segment: FOB F.O.B. Related Instructions**Position:** 080**Loop:****Level:****Usage:** Optional**Max Use:** 1**Purpose:** To specify transportation instructions relating to shipment

Syntax Notes:

- 1 If FOB03 is present, then FOB02 is required.
- 2 If FOB04 is present, then FOB05 is required.
- 3 If FOB07 is present, then FOB06 is required.

Semantic Notes:

Comments:

- 1 FOB01 indicates which party will pay the carrier.
- 2 FOB02 is the code specifying transportation responsibility location.
- 3 FOB06 is the code specifying title passage location.

Notes: *If the FOB codes on all the CLINs are the same, and the Accept At codes on all the CLINs are also the same then the FOB information is included in this record otherwise it is included on the detail level.*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use	FOB01	146	Shipment Method of Payment	M ID 2/2
			Code identifying payment terms for transportation charges	
			<i>Use FOB segment here when FOB applies to entire order. For exceptions, add a FOB segment to N1 loop.</i>	
		PP	Prepaid (by Seller)	
			<i>PP if FOB equals D, E, F, G, H, I, K, J, L, M, or N</i>	
		ZZ	Mutually Defined	
			<i>(Paid by Buyer) ZZ if FOB equals P, Q, R, S, or T</i>	
	FOB02	309	Location Qualifier	C ID 1/2
			Code identifying type of Location Identifier (310) used.	
		DE	Destination (Shipping)	
			<i>DE if FOB equals D, E, F, G, H, I, K, J, L, M, or N</i>	
		OR	Origin (Shipping Point)	
			<i>OR if FOB equals P, Q, R, S or T</i>	
	FOB03	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	
			<i>If the FOB code is D or E this is not used, otherwise contains the literal translation of the FOB code.</i>	
Not Used	FOB04	334	Transportation Terms Qualifier Code	O ID 2/2
			Code identifying the source of the transportation terms	

Not Used	FOB05	335	Transportation Terms Code	C	ID 3/6
			Code identifying the trade terms which apply to the shipment transportation responsibility. Six digit codes represent INCOTERMS.		
	FOB06	309	Location Qualifier	C	ID 1/2
			Code identifying type of Location Identifier (310) used.		
			DE	Destination (Shipping)	
				<i>DE if Accept At equals D</i>	
			OR	Origin (Shipping Point)	
				<i>OR if Accept At equals S</i>	
Not Used	FOB07	352	Description	O	AN 1/80
			A free-form description to clarify the related data elements and their content		

Segment:	ITD Terms of Sale/Deferred Terms of Sale
Position:	130
Loop:	
Level:	
Usage:	Optional
Max Use:	5
Purpose:	To specify terms of sale
Syntax Notes:	<ol style="list-style-type: none"> 1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required. 2 If ITD08 is present, then at least one of ITD04 or ITD05 is required. 3 If ITD09 is present, then ITD10 is required.
Semantic Notes:	
Comments:	<ol style="list-style-type: none"> 1 If ITD01 equals 04 - ITD10 is required and either ITD11 or ITD12 is required. If ITD01 equals 05 - ITD06 or ITD07 is required. If ITD01 does not equal 04 or 05 - ITD03 or ITD08 is required.
Notes:	<i>Segment is not sent if discount not offered.</i>

Data Element Summary

Ref.	Data				Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>			
ITD01	336	Terms Type Code			O ID 2/2
		Code identifying type of payment terms			
		08	Basic Discount Offered		
			<i>Always 08 if discount applies</i>		
Must Use	ITD02	333	Terms Basis Date Code		M ID 1/2
		Code identifying the beginning of the terms period			
		5	Invoice Receipt Date		
			<i>The discount is based on the Invoice Receipt Date.</i>		
	ITD03	338	Terms Discount Percent		C R 1/6
		Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date			
			<i>The % of the discount</i>		
Not Used	ITD04	370	Terms Discount Due Date		C DT 6/6
		Date payment is due if discount is to be earned			
	ITD05	351	Terms Discount Days Due		C N0 1/3
		Number of days in the terms discount period by which payment is due if terms discount is earned			
			<i>The number of days in the discount period</i>		
Not Used	ITD06	446	Terms Net Due Date		C DT 6/6
		Date when total invoice amount becomes due			
	ITD07	386	Terms Net Days		C N0 1/3
		Number of days until total invoice amount is due (discount not applicable)			
			<i>The number of days in the Net discount period.</i>		
Not Used	ITD08	362	Terms Discount Amount		C N2 1/10

			Total amount of terms discount		
Not Used	ITD09	388	Terms Deferred Due Date	O	DT 6/6
			Date deferred payment or percent of invoice payable is due. Also see: Percent of Invoice Payable (342).		
Not Used	ITD10	389	Deferred Amount Due	C	N2 1/10
			Deferred amount due for payment		
Not Used	ITD11	342	Percent of Invoice Payable	C	R 1/5
			Amount of Invoice Payable expressed in percent. (re: Deferred Terms.) Also see: Terms Type Code (336.)		
	ITD12	352	Description	C	AN 1/80
			A free-form description to clarify the related data elements and their content		
			<i>Discount Terms Free Text - %, Days, Terms and Free Text are on Award PIIN File</i>		
Not Used	ITD13	765	Day of Month	C	N0 1/2
			The numeric value of the day of the month between 1 and the maximum day of the month being referenced		

Segment:	DTM Date/Time Reference
Position:	140
Loop:	
Level:	
Usage:	Optional
Max Use:	10
Purpose:	To specify pertinent dates and times
Syntax Notes:	1 At least one of DTM02 or DTM03 is required.
Semantic Notes:	
Comments:	
Notes:	<i>This segment is created when the Delivery Date is the same on all CLINs/SUBCLINs on the PIIN, when they are different the data is entered in the detail segment as described below.</i>

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			073 Scheduled for Delivery (Prior to and Including)	
			<i>Indicates the date in DTM02 is a Delivery Date.</i>	
	DTM02	373	Date	C DT 6/6
			Date (YYMMDD)	
Not Used	DTM03	337	Time	C TM 4/4
			Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).	
Not Used	DTM04	623	Time Code	O ID 2/2
			Code qualifying the time zone.	

Segment: **N9** Reference Number
Position: 270
Loop: N9 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To transmit identifying numbers and descriptive information as specified by the reference number qualifier
Syntax Notes: 1 At least one of N902 or N903 is required.
Semantic Notes:
Comments:

Notes: *This loop handles clauses and section text. Only the fill-in portion of the clause will be transmitted.*

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	N901	128 Reference Number Qualifier	M ID 2/2
		Code qualifying the Reference Number.	
		CJ Clause Number	
		<i>CJ if clause is a FIRMR, Local or NARSUP clause (CLAUSE-SRCE-CODE equals E, F, or D)</i>	
		DF Defense Federal Acquisition Regulations (DFAR)	
		<i>DF if clause is a DFAR clause (CLAUSE-SRCE -CODE equals B)</i>	
		FA Federal Acquisition Regulations (FAR)	
		<i>FA if clause is a FAR clause (CLAUSE-SRCE -CODE equals A)</i>	
		ME Message Address or ID	
		<i>ME for section text</i>	
N902	127	Reference Number	C AN 1/30
		Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Also see Reference Number Qualifier, (128).	
		<i>Regulation clause number if N901 equals CJ, DF, or FA; not used if N901 equals ME</i>	
N903	369	Free-form Description	C AN 1/45
		Free-form descriptive text	
		<i>If N901 = CJ then N903 contains the literal "FIRMR", "LOCAL", or "NARSUP". If N901 = ME then N903 contains the literal "Section _ Text".</i>	
N904	373	Date	O DT 6/6
		Date (YYMMDD)	

Clause Date in YYMMDD format, DD will always be "01"

Not Used	N905	337	Time	O	TM 4/4
Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).					

Segment: **MSG** Message Text

Position: 280

Loop: N9 Optional

Level:

Usage: Optional

Max Use: 1000

Purpose: To provide a free form format that would allow the transmission of text information.

Syntax Notes:

Semantic Notes:

Comments: 1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.

Notes: *If the data referenced in N9 is section text then this segment contains the free text. If the data referenced in N9 is a clause then this segment contains the clause title. If the clause is a fill-in clause (CLAUSE-TEXT-TY-CODE = 1,2,3,4,5,6) then this segment contains the fill-in text numbered in order of occurrence. Fill-in text is indicated by backslashes "\ \".*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	MSG01	933 Free-Form Message Text	M AN 1/264
		Free-form message text	
		<i>Clause Title</i>	
		<i>Clause Fill-In text</i>	
		<i>Section Text</i>	
Not Used	MSG02	934 Printer Carriage Control Code	O ID 2/2
		A field to be used for the control of the line feed of the receiving printer	
Not Used	MSG03	363 Note Reference Code	O ID 3/3
		Code identifying the functional area or purpose for which the note applies.	
		Also see: Free Form Message (3).	

Segment: **N1** Name
Position: 290
Loop: N1 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	N101	98 Entity Identifier Code	M ID 2/2
		Code identifying an organizational entity or a physical location.	
		BT	Party to be Billed For Other Than Freight(Bill To)
		BY	Buying Party (Purchaser)
		<i>Issued by value is equal to the EMPLOYEE UIC (was equal to SYS-USR-UIC)</i>	
		MP	Manufacturing Plant
		OI	Outside Inspection Agency
		PE	Payee
		PR	Payer
		SE	Selling Party
		ST	Ship To
		ZZ	Mutually Defined
		<i>See NTE segment</i>	
N102	93	Name	C AN 1/35
		Free-form name	
		<i>Name of the entity identified above</i>	
N103	66	Identification Code Qualifier	C ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		<i>Identifies what the code in N104 is</i>	
		1	Dun and Bradstreet (Credit Reporting) (DUNS)
		10	Department of Defense Activity Address Code (DODAAC)
		92	Assigned by Buyer

M2 is the code for CAGE but is not available in 2003 version.

N104 67 Identification Code C ID 2/17

Code identifying a party.

Data identified in N103

Segment: **N2** Additional Name Information
Position: 300
Loop: N1 Optional
Level:
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	N201	93 Name	M AN 1/35
		Free-form name	
		<i>Second line of name for the entity identified above (all except MP)</i>	
Not Used	N202	93 Name	O AN 1/35
		Free-form name	

Segment: **N3** Address Information
Position: 310
Loop: N1 Optional
Level:
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	N301	166 Address Information	M AN 1/35
		Free-form field for address information.	
		<i>First line of the entity's address (all except MP)</i>	
	N302	166 Address Information	O AN 1/35
		Free-form field for address information.	
		<i>Second line of the entity's address (all except MP)</i>	

Segment: N4 Geographic Location**Position:** 320**Loop:** N1 Optional**Level:****Usage:** Optional**Max Use:** 1**Purpose:** To specify the geographic place of the named party

- Syntax Notes:**
- 1 At least one of N401 or N405 is required.
 - 2 If N401 is present, then N402 is required.
 - 3 If either N405 or N406 is present, then the other is required.

Semantic Notes:

- Comments:**
- 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
 - 2 N402 is required only if city name (N401) is in the USA or Canada.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
N401	19	City Name	C AN 2/19
		Free-form text for city name	
		<i>Entity's City (all except MP)</i>	
N402	156	State or Province Code	C ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
		<i>Entity's State (all except MP). If N404 is not US, enter XX to prevent rejection.</i>	
N403	116	Postal Code	O ID 5/9
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
		<i>Entity's Zip Code (all except MP)</i>	
N404	26	Country Code	O ID 2/2
		Code identifying the country	
		<i>Entity's Country Code (all except MP)</i>	
Not Used	N405	309 Location Qualifier	O ID 1/2
		Code identifying type of Location Identifier (310) used.	
Not Used	N406	310 Location Identifier	C AN 1/25
		Code which identifies a specific location	

Segment: PER Administrative Communications Contact**Position:** 340**Loop:** N1 Optional**Level:****Usage:** Optional**Max Use:** 3**Purpose:** To identify a person or office to whom administrative communications should be directed**Syntax Notes:** 1 If PER03 is present, then PER04 is required.**Semantic Notes:****Comments:** 1 This segment is used to specify who is to be contacted on various conditions related to the transaction. The term "Communication" in the title and purpose relates to interpersonal communications, not network or telecommunications contacts.**Data Element Summary**

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	PER01	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
			BD Buyer Name or Department	
			<i>If N101 is BY</i>	
			SU Supplier Contact	
			<i>If N101 is SE or ZZ</i>	
	PER02	93	Name	O AN 1/35
			Free-form name	
			<i>Name of individual</i>	
	PER03	365	Communication Number Qualifier	O ID 2/2
			Code identifying the type of communication number	
			<i>Number Qualifier</i>	
			TE Telephone	
	PER04	364	Communication Number	C AN 7/21
			Complete communications number including country or area code when applicable. Also see: Communications Number Qualifier (365).	
			<i>Number identified in PER03 applicable to the individual identified in PER02.</i>	
Not Used	PER05	326	Request Reference Number	O AN 1/45
			Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)	

Segment:	PO1	Purchase Order Baseline Item Data
Position:	410	
Loop:	PO1	Mandatory
Level:		
Usage:	Mandatory	
Max Use:	1	
Purpose:	To specify basic and most frequently used purchase order line item data	
Syntax Notes:	<ol style="list-style-type: none"> 1 If PO105 is present, then PO104 is required. 2 If PO106 is present, then PO107 is required. 3 If PO108 is present, then PO109 is required. 4 If PO110 is present, then PO111 is required. 5 If PO112 is present, then PO113 is required. 6 If PO114 is present, then PO115 is required. 7 If PO116 is present, then PO117 is required. 8 If PO118 is present, then PO119 is required. 9 If PO120 is present, then PO121 is required. 10 If PO122 is present, then PO123 is required. 11 If PO124 is present, then PO125 is required. 	
Semantic Notes:		
Comments:	<ol style="list-style-type: none"> 1 See the Data Dictionary for a complete list of ID's. 2 PO101 is the line item identification. 3 PO106 through PO125 provide for ten (10) different product/service ID's per each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU. 	

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
Must Use	PO101	350 Assigned Identification	O AN 1/6
		Alphanumeric characters assigned for differentiation within a transaction set	
		<i>CLIN, SUBCLIN or ADD-A-CLIN Number</i>	
Must Use	PO102	330 Quantity Ordered	M R 1/9
		Quantity ordered	
		<i>Quantity</i>	
Must Use	PO103	355 Unit or Basis for Measurement Code	M ID 2/2
		Code identifying the basic unit of measurement.	
		<i>U/I code is converted to an X12 value by reading the EDI- UNIT-OF-IS -CD in the Unit of Issue file. If there is no X12 code in the file then ZZ is entered here.</i>	
		Refer to 002003 Data Element Dictionary for acceptable code values.	
	PO104	212 Unit Price	C R 1/14
		Price per unit of product, service, commodity, etc.	
		<i>Unit Price</i>	

PO105	639	Basis of Unit Price Code	O ID 2/2
		Code identifying the type of unit price for an item	
		Cost Price Code	
		CP Current Price (Subject to Change)	
		PRC - Priced (Subject to Change)	
		ES Estimated	
		EST - Estimated	
		NC No Charge	
		NE Not to Exceed	
		TB To be negotiated.	
		TBN - To Be Negotiated	
PO106	235	Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		CG Commodity Grouping	
		CL Color	
		FS Federal Stock Classification and/or National Stock Number	
		The Stock Number includes the COG, NSN and SMIC. If any of this data is entered it will be sent here.	
		MN Model Number	
		PW Part Drawing	
		SN Serial Number	
		SZ Vendor Alphanumeric Size Code (NRMA)	
		VP Vendor's (Seller's) Part Number	
		VX Vendor's Specification Number	
PO107	234	Product/Service ID	C AN 1/30
		Identifying number for a product or service	
PO108	235	Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		CG Commodity Grouping	
		CL Color	
		FS Federal Stock Classification and/or National Stock Number	
		MN Model Number	
		PW Part Drawing	
		SN Serial Number	
		SZ Vendor Alphanumeric Size Code (NRMA)	
		VP Vendor's (Seller's) Part Number	

		VX	Vendor's Specification Number		
PO109	234	Product/Service ID		C	AN 1/30
		Identifying number for a product or service			
PO110	235	Product/Service ID Qualifier		O	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		CG	Commodity Grouping		
		CL	Color		
		FS	Federal Stock Classification and/or National Stock Number		
		MN	Model Number		
		PW	Part Drawing		
		SN	Serial Number		
		SZ	Vendor Alphanumeric Size Code (NRMA)		
		VP	Vendor's (Seller's) Part Number		
		VX	Vendor's Specification Number		
PO111	234	Product/Service ID		C	AN 1/30
		Identifying number for a product or service			
PO112	235	Product/Service ID Qualifier		O	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		CG	Commodity Grouping		
		CL	Color		
		FS	Federal Stock Classification and/or National Stock Number		
		MN	Model Number		
		PW	Part Drawing		
		SN	Serial Number		
		SZ	Vendor Alphanumeric Size Code (NRMA)		
		VP	Vendor's (Seller's) Part Number		
		VX	Vendor's Specification Number		
PO113	234	Product/Service ID		C	AN 1/30
		Identifying number for a product or service			
PO114	235	Product/Service ID Qualifier		O	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		CG	Commodity Grouping		
		CL	Color		
		FS	Federal Stock Classification and/or National Stock Number		
		MN	Model Number		
		PW	Part Drawing		

		SN	Serial Number		
		SZ	Vendor Alphanumeric Size Code (NRMA)		
		VP	Vendor's (Seller's) Part Number		
		VX	Vendor's Specification Number		
PO115	234	Product/Service ID		C	AN 1/30
		Identifying number for a product or service			
PO116	235	Product/Service ID Qualifier		O	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		CG	Commodity Grouping		
		CL	Color		
		FS	Federal Stock Classification and/or National Stock Number		
		MN	Model Number		
		PW	Part Drawing		
		SN	Serial Number		
		SZ	Vendor Alphanumeric Size Code (NRMA)		
		VP	Vendor's (Seller's) Part Number		
		VX	Vendor's Specification Number		
PO117	234	Product/Service ID		C	AN 1/30
		Identifying number for a product or service			
PO118	235	Product/Service ID Qualifier		O	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		CG	Commodity Grouping		
		CL	Color		
		FS	Federal Stock Classification and/or National Stock Number		
		MN	Model Number		
		PW	Part Drawing		
		SN	Serial Number		
		SZ	Vendor Alphanumeric Size Code (NRMA)		
		VP	Vendor's (Seller's) Part Number		
		VX	Vendor's Specification Number		
PO119	234	Product/Service ID		C	AN 1/30
		Identifying number for a product or service			
PO120	235	Product/Service ID Qualifier		O	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		CG	Commodity Grouping		
		CL	Color		
		FS	Federal Stock Classification and/or National Stock		

			Number		
		MN	Model Number		
		PW	Part Drawing		
		SN	Serial Number		
		SZ	Vendor Alphanumeric Size Code (NRMA)		
		VP	Vendor's (Seller's) Part Number		
		VX	Vendor's Specification Number		
PO121	234	Product/Service ID		C	AN 1/30
		Identifying number for a product or service			
PO122	235	Product/Service ID Qualifier		O	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		CG	Commodity Grouping		
		CL	Color		
		FS	Federal Stock Classification and/or National Stock Number		
		MN	Model Number		
		PW	Part Drawing		
		SN	Serial Number		
		SZ	Vendor Alphanumeric Size Code (NRMA)		
		VP	Vendor's (Seller's) Part Number		
		VX	Vendor's Specification Number		
PO123	234	Product/Service ID		C	AN 1/30
		Identifying number for a product or service			
PO124	235	Product/Service ID Qualifier		O	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		CG	Commodity Grouping		
		CL	Color		
		FS	Federal Stock Classification and/or National Stock Number		
		MN	Model Number		
		PW	Part Drawing		
		SN	Serial Number		
		SZ	Vendor Alphanumeric Size Code (NRMA)		
		VP	Vendor's (Seller's) Part Number		
		VX	Vendor's Specification Number		
PO125	234	Product/Service ID		C	AN 1/30
		Identifying number for a product or service			

Segment: CTP Pricing Information**Position:** 440**Loop:** PO1 Mandatory**Level:****Usage:** Optional**Max Use:** 25**Purpose:** To specify pricing information

Syntax Notes:

- 1 If CTP02 is present, then CTP03 is required.
- 2 If CTP04 is present, then CTP05 is required.
- 3 If CTP06 is present, then CTP07 is required.

Semantic Notes:

Comments:

- 1 Example of use of CTP03 and CTP04. PRICE QUANTITY RANGE 1.00 0 to 999 0.75 1000 to 4999 0.50 5000 to 9999 0.25 10000 and above
CTP03 CTP04 1.00 0 0.75 1000 0.50 5000 0.25 10000
- 2 Example of use of CTP03, CTP04 and CTP07. CTP03 CTP04 CTP07 1.00 0 0.90 0.75 1000 0.90 0.50 5000 0.90 0.25 10000 0.90
- 3 CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of 90 would be the factor if a 10% discount is given.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
CTP01	687	Class of Trade Code	O	ID 2/2
		Code indicating class of trade		
		<i>Use for trade discount.</i>		
		TR General Trade		
Not Used	CTP02	236 Price Qualifier	O	ID 3/3
		Code identifying pricing specification		
Not Used	CTP03	212 Unit Price	C	R 1/14
		Price per unit of product, service, commodity, etc.		
Not Used	CTP04	380 Quantity	O	R 1/10
		Numeric value of Quantity. Also see: Unit of Measurement Code (355).		
Not Used	CTP05	355 Unit or Basis for Measurement Code	C	ID 2/2
		Code identifying the basic unit of measurement.		
	CTP06	648 Price Multiplier Qualifier	O	ID 3/3
		Code indicating the type of price multiplier		
		DIS Discount Multiplier		
	CTP07	649 Multiplier	C	R 1/10
		Value, identified by price multiplier qualifier, to be used to multiply price to obtain a new value.		
		<i>Trade Discount %</i>		

Segment: **NTE** Note/Special Instruction
Position: 445
Loop: PO1 Mandatory
Level:
Usage: Floating
Max Use: 100
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Syntax Notes:**Semantic Notes:**

Comments: 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
NTE01	363	Note Reference Code	O ID 3/3
		Code identifying the functional area or purpose for which the note applies. Also see: Free Form Message (3).	
		LIN Line Item	
		<i>Entered if the U/I code does not have an X12 equivalent in the Unit of Issue file.</i>	
Must Use	NTE02	3 Free Form Message	M AN 1/60
		Free-form text	
		<i>This will contain the CLIN number and a literal of the Unit of Issue Code.</i>	

Segment:	PID Product/Item Description
Position:	450
Loop:	PO1 Mandatory
Level:	
Usage:	Optional
Max Use:	1000
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	<ol style="list-style-type: none"> 1 If PID03 is present, then PID04 is required. 2 At least one of PID04 or PID05 is required.
Semantic Notes:	
Comments:	<ol style="list-style-type: none"> 1 Use PID03 to indicate the organization that publishes the code list being referred to. 2 PID04 should be used for industry-specific product description codes. 3 Use PID06 when necessary to refer to the product surface or layer being described in the segment.

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	PID01	349	Item Description Type	M ID 1/1
			Code indicating the format of a description	
			F Free-form	
			<i>If Nomenclature or ADD-A-CLIN exists, enter F.</i>	
Not Used	PID02	750	Product/Process Characteristic Code	O ID 2/3
			Code specifying the product or process characteristic being described.	
Not Used	PID03	348	Item Description Qualifier	O ID 2/2
			Code identifying agency responsible for the code used.	
Not Used	PID04	751	Product Description Code	C ID 1/12
			A code from an industry code list which provides specific data about a product characteristic. Also see: Item Description Qualifier (348).	
	PID05	352	Description	C AN 1/80
			A free-form description to clarify the related data elements and their content	
			<i>Nomenclature or ADD-A-CLIN Description</i>	
Not Used	PID06	752	Surface/Layer/Position Code	O ID 2/2
			Code indicating the product surface, layer or position that is being described	

Segment: **MEA** Measurements
Position: 460
Loop: PO1 Mandatory
Level:
Usage: Optional
Max Use: 40
Purpose: To specify physical measurements, including dimension tolerances, weights and counts.

Syntax Notes:**Semantic Notes:**

Comments: 1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
MEA01	737	Measurement Reference ID Code	O ID 2/2
		Code specifying the application of physical measurement cited.	
		SH Shipping Tolerance	
		<i>Enter SH</i>	
MEA02	738	Measurement Qualifier	O ID 1/3
		Code identifying the type of measurement.	
		PO Percent of Order (-, +)	
		Expression of allowable variance of order expressed either as absolute (for example 92% to 110%) or relative percent (for example - 8% to + 10%)	
		<i>Enter PO</i>	
Not Used	MEA03	739 Measurement Value	C R 1/10
		The value of the measurement	
MEA04	355	Unit or Basis for Measurement Code	C ID 2/2
		Code identifying the basic unit of measurement.	
		P1 Percent	
		<i>Enter P1</i>	
MEA05	740	Range Minimum	C R 1/10
		The value specifying the minimum of the measurement range	
		<i>Quantity Variance Under</i>	
MEA06	741	Range Maximum	C R 1/10
		The value specifying the maximum of the measurement range	
		<i>Quantity Variance Over</i>	
Not Used	MEA07	935 Measurement Significance Code	O ID 2/2
		Code used to benchmark, qualify or further define a measurement value	

Not Used	MEA08	936	Measurement Attribute Code	C	ID 2/2
Code used to express an attribute response when a numeric measurement value cannot be determined					
Not Used	MEA09	752	Surface/Layer/Position Code	O	ID 2/2
Code indicating the product surface, layer or position that is being described					

Segment: PKG Marking, Packaging, Loading**Position:** 480**Loop:** PO1 Mandatory**Level:****Usage:** Optional**Max Use:** 25**Purpose:** To describe marking, packaging, loading, and unloading requirements**Syntax Notes:** 1 If PKG03 is present, then PKG04 is required.

2 At least one of PKG04 or PKG05 is required.

Semantic Notes:

- Comments:**
- 1 Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
 - 2 Use PKG03 to indicate the organization that publishes the code list being referred to.
 - 3 PKG04 should be used for industry-specific packaging description codes.
 - 4 Special marking or tagging data can be given in PKG05 (description).

Data Element Summary

	Ref.	Data	Name	Attributes
	<u>Des.</u>	<u>Element</u>		
Must Use	PKG01	349	Item Description Type	M ID 1/1
			Code indicating the format of a description	
			F Free-form	
			<i>If Packaging information exists on the record enter F.</i>	
Not Used	PKG02	753	Packaging Characteristic Code	O ID 1/5
			Code specifying the marking, packaging, loading and related characteristics being described	
Not Used	PKG03	348	Item Description Qualifier	O ID 2/2
			Code identifying agency responsible for the code used.	
Not Used	PKG04	754	Packaging Description Code	C ID 1/7
			A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product. Also see: Item Description Qualifier (348).	
	PKG05	352	Description	C AN 1/80
			A free-form description to clarify the related data elements and their content	
			<i>Packaging information</i>	

Segment: **REF** Reference Numbers
Position: 500
Loop: PO1 Mandatory
Level:
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	REF01	128	Reference Number Qualifier	M ID 2/2
			Code qualifying the Reference Number.	
			AT	Appropriation Number
				<i>Indicates ACRN is in REF02 and Long Line of Accounting is in REF03</i>
			LI	Line Item Identifier (Seller's)
				<i>Indicates Requisition Number is in REF02</i>
			ZZ	Mutually Defined
				<i>Indicates the TAC is in REF02 and the TAC Amount is in REF03 (Transportation Accounting Code)</i>
	REF02	127	Reference Number	C AN 1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Also see Reference Number Qualifier, (128).	
			<i>ACRN if REF01 is AT, Requisition Number if REF01 is LI, or TAC if REF01 is ZZ.</i>	
	REF03	352	Description	C AN 1/80
			A free-form description to clarify the related data elements and their content	
			<i>Long Line of Accounting if REF01 is AT; TAC Amount if REF01 is ZZ.</i>	

Segment: FOB F.O.B. Related Instructions**Position:** 570**Loop:** PO1 Mandatory**Level:****Usage:** Optional**Max Use:** 1**Purpose:** To specify transportation instructions relating to shipment

Syntax Notes:

- 1 If FOB03 is present, then FOB02 is required.
- 2 If FOB04 is present, then FOB05 is required.
- 3 If FOB07 is present, then FOB06 is required.

Semantic Notes:

Comments:

- 1 FOB01 indicates which party will pay the carrier.
- 2 FOB02 is the code specifying transportation responsibility location.
- 3 FOB06 is the code specifying title passage location.

Notes: *This segment is created and repeated for each CLIN/SUBCLIN when the FOB codes or Accept At codes are not the same on all CLINs/SUBCLINs.*

Data Element Summary

Ref.	Data			
Des.	Element	Name	Attributes	
Must Use	FOB01	146	Shipment Method of Payment	M ID 2/2
		Code identifying payment terms for transportation charges		
		PP	Prepaid (by Seller)	
			<i>PP if FOB equals D, E, F, G, H, I, J, K, L, M, or N</i>	
		ZZ	Mutually Defined	
			<i>ZZ if FOB equals P, Q, R, S, or T (Paid by Buyer)</i>	
	FOB02	309	Location Qualifier	C ID 1/2
		Code identifying type of Location Identifier (310) used.		
		DE	Destination (Shipping)	
			<i>DE if FOB equals D, E, F, G, H, I, J, K, L, M, or N</i>	
		OR	Origin (Shipping Point)	
			<i>OR if FOB equals P, Q, R, S, or T</i>	
	FOB03	352	Description	O AN 1/80
		A free-form description to clarify the related data elements and their content		
		<i>If the FOB code is D or E this is not used; otherwise, it contains the literal translation of the FOB code.</i>		
Not Used	FOB04	334	Transportation Terms Qualifier Code	O ID 2/2
		Code identifying the source of the transportation terms		
Not Used	FOB05	335	Transportation Terms Code	C ID 3/6
		Code identifying the trade terms which apply to the shipment transportation responsibility. Six digit codes represent INCOTERMS.		

	FOB06	309	Location Qualifier	C	ID 1/2
			Code identifying type of Location Identifier (310) used.		
			DE	Destination (Shipping)	
				<i>If Accept At equals D</i>	
			OR	Origin (Shipping Point)	
				<i>If Accept At equals S</i>	
Not Used	FOB07	352	Description	O	AN 1/80
			A free-form description to clarify the related data elements and their content		

Segment: **DTM** **Date/Time Reference**
Position: 600
Loop: PO1 Mandatory
Level:
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: 1 At least one of DTM02 or DTM03 is required.
Semantic Notes:
Comments:
Notes: *This segment is created when the Delivery Date is not the same on all CLINs/SUBCLINs on the PIIN.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier		M ID 3/3
				Code specifying type of date or time, or both date and time	
				<i>Indicates the date in DTM02 is a Delivery Date.</i>	
			073	Scheduled for Delivery (Prior to and Including)	
	DTM02	373	Date		C DT 6/6
				Date (YYMMDD)	
Not Used	DTM03	337	Time		C TM 4/4
				Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).	
Not Used	DTM04	623	Time Code		O ID 2/2
				Code qualifying the time zone.	

Segment:	TD5	Carrier Details (Routing Sequence/Transit Time)
Position:	640	
Loop:	PO1	Mandatory
Level:		
Usage:	Optional	
Max Use:	12	
Purpose:	To specify the carrier and sequence of routing and provide transit time information	
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of TD502 TD504 or TD505 is required. 2 If TD502 is present, then TD503 is required. 3 If TD507 is present, then TD508 is required. 4 If TD510 is present, then TD511 is required. 	
Semantic Notes:		
Comments:	<ol style="list-style-type: none"> 1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502. 	

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Not Used	TD501	133	Routing Sequence Code	O ID 1/2
			Code describing the relationship of a carrier to a specific shipment movement	
Not Used	TD502	66	Identification Code Qualifier	C ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
Not Used	TD503	67	Identification Code	C ID 2/17
			Code identifying a party.	
	TD504	91	Transportation Method/Type Code	C ID 1/2
			Code specifying the method or type of transportation for the shipment	
		A	Air	
			<i>Commercial Air Freight</i>	
		AC	Air Charter	
			<i>Military Airlift Command (MAC) Channel, Special Assignment Airlift Mission</i>	
		AE	Air Express	
			<i>Air, Small Package Carrier</i>	
		B	Barge	
			<i>Gov't Watercraft, Barge/Lighter</i>	
		BU	Bus	
			<i>Bus</i>	
		C	Consolidation	

				Van	
		CE		Customer Pickup / Customer's Expense	
				<i>Bearer, Walk-through (Customer Pickup of Material)</i>	
		D		Parcel Post	
				<i>Air Parcel Post</i>	
		E		Expedited Truck	
				<i>Surface Parcel Post</i>	
		J		Motor	
				<i>Motor, Truckload</i>	
		L		Contract Carrier	
				<i>Scheduled Truck Service</i>	
		LT		Less Than Trailer Load (LTL)	
				<i>Motor, Less Truckload</i>	
		O		Containerized Ocean	
				<i>Seavan</i>	
		P		Pipeline	
				<i>Pipeline</i>	
		Q		Conventional Ocean	
				<i>Through Gov't Bill of Lading</i>	
		R		Rail	
				<i>Rail, Carload</i>	
		S		Ocean	
				<i>Military Sealift Command</i>	
		SR		Supplier Truck	
				<i>Gov't Truck, Outside Local Area</i>	
		T		Best Way (Shippers Option)	
				<i>Local Delivery by Gov't or Commercial Truck</i>	
		U		Private Parcel Service	
				<i>Surface, Small Package Carrier</i>	
		W		Inland Waterway	
				<i>Water, River, Lake, Coastal - CML</i>	
		X		Intermodal (Piggyback)	
				<i>Roll On/Roll Off Service</i>	
Not Used	TD505	387	Routing	C	AN 1/35
			Free-form description of the routing or requested routing for shipment, or the originating carrier's identity		
Not Used	TD506	368	Shipment/Order Status Code	O	ID 2/2
			Code indicating the status of an order or shipment		
Not Used	TD507	309	Location Qualifier	O	ID 1/2

			Code identifying type of Location Identifier (310) used.		
Not Used	TD508	310	Location Identifier	C	AN 1/25
			Code which identifies a specific location		
Not Used	TD509	731	Transit Direction Code	O	ID 2/2
			The point of origin and point of direction		
Not Used	TD510	732	Transit Time Direction Qualifier	O	ID 2/2
			Code specifying the value of time used to measure the transit time		
Not Used	TD511	733	Transit Time	C	R 1/4
			The numeric amount of transit time		

Segment: **MAN** Marks and Numbers
Position: 670
Loop: PO1 Mandatory
Level:
Usage: Optional
Max Use: 10
Purpose: To indicate identifying marks and numbers for shipping containers
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	MAN01	88	Marks and Numbers Qualifier	M ID 1/2
			Code specifying the application or source of Marks and Numbers (87)	
			<i>Use of this code indicates "mark for" instructions in addition to the "ship to".</i>	
			L	Line Item Only
			<i>Enter Additional Markings</i>	
Must Use	MAN02	87	Marks and Numbers	M AN 1/45
			Marks and numbers used to identify a shipment or parts of a shipment. Also see: Marks and Numbers Qualifier (88).	

Segment: **NTE** Note/Special Instruction
Position: 675
Loop: PO1 Mandatory
Level:
Usage: Floating
Max Use: 100
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Syntax Notes:**Semantic Notes:**

Comments: 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
NTE01	363	Note Reference Code	O ID 3/3
		Code identifying the functional area or purpose for which the note applies. Also see: Free Form Message (3).	
		TRA Transportation	
		<i>Use when Transportation Method Code is being defined in NTE02.</i>	
Must Use	NTE02	3 Free Form Message	M AN 1/60
		Free-form text	
		<i>This will contain the CLIN number and a literal of the Transportation Method Code.</i>	

Segment: **N9** **Reference Number**
Position: 720
Loop: N9 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To transmit identifying numbers and descriptive information as specified by the reference number qualifier
Syntax Notes: 1 At least one of N902 or N903 is required.
Semantic Notes:
Comments:

Notes: *This segment is created for each Lead CLIN, CLIN which contains Free Text or CLIN with Item Description.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	N901	128	Reference Number Qualifier Code qualifying the Reference Number. LI Line Item Identifier (Seller's)	M ID 2/2
	N902	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Also see Reference Number Qualifier, (128). <i>CLIN or SUBCLIN Number</i>	C AN 1/30
	N903	369	Free-form Description Free-form descriptive text <i>Will Contain one of these dependent upon the source of the text in the following MSG</i> "LEAD CLIN DESCRIPTION" "CLIN FREE TEXT" "ITEM DESCRIPTION" <i>The actual text will be in the following MSG Segment(s)</i>	C AN 1/45
Not Used	N904	373	Date Date (YYMMDD)	O DT 6/6
Not Used	N905	337	Time Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).	O TM 4/4

Segment: **MSG** Message Text
Position: 730
Loop: N9 Optional
Level:
Usage: Optional
Max Use: 1000
Purpose: To provide a free form format that would allow the transmission of text information.
Syntax Notes:
Semantic Notes:
Comments: 1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	MSG01	933 Free-Form Message Text	M AN 1/264
		Free-form message text	
		<i>Textual Data Described in N9 256 Characters per Record</i>	
Not Used	MSG02	934 Printer Carriage Control Code	O ID 2/2
		A field to be used for the control of the line feed of the receiving printer	
Not Used	MSG03	363 Note Reference Code	O ID 3/3
		Code identifying the functional area or purpose for which the note applies. Also see: Free Form Message (3).	

Segment: **N1** Name
Position: 740
Loop: N1 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use	N101	98	Entity Identifier Code	M ID 2/2
			Code identifying an organizational entity or a physical location.	
		BT	Party to be Billed For Other Than Freight(Bill To)	
		MA	Party for whom Item is Ultimately Intended	
			<i>Use to indicate Mark For (EN is not available in Ver 2 Rel 3)</i>	
		MP	Manufacturing Plant	
		ST	Ship To	
N102	93	Name	C	AN 1/35
		Free-form name		
		<i>Name of the entity identified above</i>		
N103	66	Identification Code Qualifier	C	ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)		
		<i>Identifies what the code in N104 is</i>		
		1	Dun and Bradstreet (Credit Reporting) (DUNS)	
		10	Department of Defense Activity Address Code (DODAAC)	
		92	Assigned by Buyer	
			<i>Use for CAGE (M2 is the code for CAGE but is not available in 2003 version)</i>	
N104	67	Identification Code	C	ID 2/17
		Code identifying a party.		
		<i>Data identified in N103</i>		

Segment: **N2** Additional Name Information
Position: 750
Loop: N1 Optional
Level:
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	N201	93 Name	M AN 1/35
		Free-form name	
		<i>Second line of name for the entity identified above</i>	
Not Used	N202	93 Name	O AN 1/35
		Free-form name	

Segment: **N3** Address Information
Position: 760
Loop: N1 Optional
Level:
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N301	166	Address Information	M AN 1/35
			Free-form field for address information. <i>First line of the entity's address</i>	
	N302	166	Address Information	O AN 1/35
			Free-form field for address information. <i>Second line of the entity's address</i>	

Segment: N4 Geographic Location**Position:** 770**Loop:** N1 Optional**Level:****Usage:** Optional**Max Use:** 1**Purpose:** To specify the geographic place of the named party

- Syntax Notes:**
- 1 At least one of N401 or N405 is required.
 - 2 If N401 is present, then N402 is required.
 - 3 If either N405 or N406 is present, then the other is required.

Semantic Notes:

- Comments:**
- 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
 - 2 N402 is required only if city name (N401) is in the USA or Canada.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
N401	19	City Name	C AN 2/19
		Free-form text for city name	
		<i>Entity's City</i>	
N402	156	State or Province Code	C ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
		<i>Entity's State, when N404 is not "US", enter "XX" to prevent rejection by the translator process</i>	
N403	116	Postal Code	O ID 5/9
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
		<i>Entity's Zip Code</i>	
N404	26	Country Code	O ID 2/2
		Code identifying the country	
		<i>Entity's Country Code</i>	
Not Used	N405	309 Location Qualifier	O ID 1/2
		Code identifying type of Location Identifier (310) used.	
Not Used	N406	310 Location Identifier	C AN 1/25
		Code which identifies a specific location	

Segment:	CTT Transaction Totals
Position:	860
Loop:	
Level:	
Usage:	Mandatory
Max Use:	1
Purpose:	To transmit a hash total for a specific element in the transaction set
Syntax Notes:	1 If CTT03 is present, then CTT04 is required. 2 If CTT05 is present, then CTT06 is required.
Semantic Notes:	
Comments:	1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	CTT01	354	Number of Line Items	M N0 1/6
			Total number of line items in the transaction set	
			<i>Total Number of Line Items in the Transaction Set</i>	
	CTT02	347	Hash Total	O R 1/10
			Sum of values of the specific data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the leftmost digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three digit field.	
			<i>Sum of all Values in the specified Transaction Set</i>	
Not Used	CTT03	81	Weight	O R 1/8
			Numeric value of weight. Also see: Weight Qualifier (187), Weight Unit Qualifier (188), Unit of Measurement Code (355.)	
Not Used	CTT04	355	Unit or Basis for Measurement Code	C ID 2/2
			Code identifying the basic unit of measurement.	
Not Used	CTT05	183	Volume	O R 1/8
			Value of volumetric measure. Also see: Volume Unit Qualifier (184), Unit of Measurement Code (355.)	
Not Used	CTT06	355	Unit or Basis for Measurement Code	C ID 2/2
			Code identifying the basic unit of measurement.	
Not Used	CTT07	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment: **SE** Transaction Set Trailer

Position: 880

Loop:

Level:

Usage: Mandatory

Max Use: 1

Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	Number of Included Segments	M N0 1/6
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number assigned by the originator for a Transaction Set. Also see: Data Interchange Control Number (28.)	